#### COMPONENTS:

- (1) Benzenesulfonamide, 4-(4,5-dihydro-3methy1-5-oxo-1H-pyrazo1-1-y1)-;  $c_{10}H_{11}N_{3}O_{3}S;$  [13269-73-3]
- (2) Water; H<sub>2</sub>0; [7732-18-5]

### ORIGINAL MEASUREMENTS:

Roblin, R. O., Jr.; Williams, J. H.; Winnek, P. S.; English, J. P. J. Am. Chem. Soc. 1940, 62, 2002-5.

#### VARIABLES:

One temperature: 37°C

# PREPARED BY:

R. Piekos

### EXPERIMENTAL VALUES:

Solubility of 4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)benzenesulfonamide in water at  $37^{\circ}$ C is 45.9 mg/100 cm<sup>3</sup> solution ( 1.81 x  $10^{-3}$  mol dm<sup>-3</sup>, compiler).

# AUXILIARY INFORMATION

## METHOD /APPARATUS / PROCEDURE:

Excess sulfonamide in water was heated and stirred on a steam bath for 30 min. The sus- prepd by the authors. Anal: %C 47.5 pension was then agitated for 24 h in a ther (calcd 47.4); %H 4.4 (4.4); %N 16.6 mostat at 37°C. A sample of the satd soln was withdrawn through a glass filter, dild, and analyzed by the Marshall method (1) using a General Electric recording spectrophotometer for comparing the colors developed with those of the standards.

# SOURCE AND PURITY OF MATERIALS:

The sulfonamide, mp 166-7°C (cor), was (16.6).

Purity of the water was not specified.

### ESTIMATED ERROR:

Nothing specified.

### REFERENCES:

1. Bratton, A. C.; Marshall, E. K., Jr. J. Pharmacol. 1939, 66, 4.